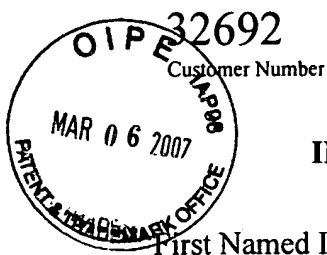


Cofc



Patent
Case No.: 55907US003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: QIU, ZAI-MING
Patent No.: 6803109 Application No.: 09/803702
Dated: October 12, 2004 Confirmation No. 6330
Title: WATER- AND OIL-REPELLENCY IMPARTING URETHANE
OLIGOMERS COMPRISING PERFLUOROALKYL MOIETIES

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.322

Commissioner for Patents
Office of Publication
Attn: Certificate of Correction Branch
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Date	<u>Feb. 16, 2007</u>
Signed by:	<u>Sherril R. Johnson</u>

Dear Sir:

It is respectfully requested that a Certificate of Correction be issued in connection with the above-identified patent. The required text is submitted on the attached form.

Because the listed errors first occurred in the printed patent, and are not due to Applicant's mistake, no fee is required in connection with this Certificate of Correction.

A copy of the PTO Form 1449 which was submitted by Applicant in the subject application on August 27, 2002, and subsequently initialed and dated by the Examiner, is enclosed. This paperwork substantiates that the reference(s) listed on the attached Certificate of Correction should appear on the patent and that the error of omitting the reference(s) from the printed patent is attributed solely to the USPTO.

**Certificate
MAR 08 2007
of Correction**

Respectfully submitted,
Feb 15, 2007 By: [Signature]
Date
Kent S. Kokko, Reg. No.: 33,931
Telephone No.: 651-733-3597

Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

MAR - 9 2007

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 5

PATENT NO.: 6803109
DATED: October 12, 2004
FIRST NAMED INVENTOR: QIU, ZAI-MING

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

First Page, Column 2

Under "(Foreign Patent Documents)", line 1, above "DE 3611302 A1"
insert - - FR 2749309 12/1997 - - as a new Entry.

Under "(Foreign Patent Documents)", line 3, below "GB 858671"
insert - - GB 999,795 7/1965 - - as a new Entry.

Second Page, Column 2

Under "(U. S. Patent Documents) ", line 2, below "5,451,622"
insert - - 5,543,200 A 8/1996 Hargis et al. - - as a new Entry.

Under "(U. S. Patent Documents) ", line 5, below "5,725,789"
insert - - 6,001,923 A 12/1999 Moncur et al. - - as a new Entry.

Column 4

Line 56, after "like." delete "like."

Column 5

Line 24, after "C₃F₇O" insert - - (CF - -.

Line 31, after "CF₂—," insert - - and the like. - -.

Column 10

Line 4, delete "CH₂O" and insert - - CH₂OH; - -, therefor.

Line 6, delete "CH₂" and insert - - CH₂OH; - -, therefor.

Line 22, delete "butan" and insert - - butane - -, therefor.

MAILING ADDRESS OF SENDER:

OFFICE OF INTELLECTUAL PROPERTY COUNSEL
3M INNOVATIVE PROPERTIES COMPANY
3M CENTER - P.O. BOX 33427
SAINT PAUL, MINNESOTA 55133-3427

PATENT NO. 6803109

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 2 of 5

PATENT NO.: 6803109
DATED: October 12, 2004
FIRST NAMED INVENTOR: QIU, ZAI-MING

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17

Line 51, delete " C_3 " and insert -- $(C_3$ --, therefor.
Line 60, delete "50triol" and insert -- 50, triol --, therefor.
Line 62, delete " $CH_2CH_2O)_2$ " and insert -- $CH_2CH_2O)_z$ --, therefor.

Column 27

Line 20, delete " CH_2OH " and insert -- CH_2OH --, therefor.

Column 28

Line 11, delete " $(CH_3)_2C(C_6H_4OH)_2$ - 4,4'-isopropylidenediphenol, a diol available from Sigma-Aldrich." and insert -- $(CH_3)_2C(C_6H_4OH)_2$ - 4,4'-isopropylidenediphenol, a diol available from Sigma-Aldrich. --
as a new paragraph on Line 12.

Column 29

Line 32, delete "26 oz/yd" and insert -- 26 oz/yd² --, therefor.
Line 57, after "placed at" insert -- points at least two inches apart on the sample. If, after observing for 15 seconds at a 45° --.
Line 58, delete "or" and insert -- of the --, therefor.

Column 30

Line 35, after "pine" insert -- wood --.

Column 37

Line 19, delete "MeEBSE" and insert -- MeFBSE --, therefor.

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CERTIFICATE OF CORRECTION

Page 3 of 5

PATENT NO.: 6803109
DATED: October 12, 2004
FIRST NAMED INVENTOR: QIU, ZAI-MING

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 39

Line 56, after "N₂" insert - - . - -.

Column 40

Line 59, after "heating" insert - - mantle, - -.

Column 42

Line 31, after "2 hours" insert - - . - -.

Line 43, after "stirring" insert - - . - -.

Line 51, after "HDI" insert - - , - -.

Line 64, after "4 hours" insert - - . - -.

Column 44

In (Table 5), Ex. 33, delete "(PCL)₄₄" and insert - - (PCL)_{4.4} - -, therefor.

In (Table 5), Ex. 34, delete "(PCL)₄₄" and insert - - (PCL)_{4.4} - -, therefor.

Column 45

Line 3, delete "_{4.4}FBSEE" and insert - - _{4.4}/FBSEE - -, therefor.

Line 9, after "stirring" insert - - . - -.

Line 14, delete "(PCL)₄₄" and insert - - (PCL)_{4.4} - -, therefor.

Column 53

Line 26, delete "2.810.8/2/0.2/2" and insert - - 2.8/0.8/2/0.2/2 - -, therefor.

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 4 of 5

PATENT NO.: 6803109
DATED: October 12, 2004
FIRST NAMED INVENTOR: QIU, ZAI-MING

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 54

Line 35, delete "(αE1)" and insert -- (ΔE1) --, therefor.
Line 36, delete "(αE2)" and insert -- (ΔE2) --, therefor.

Column 55

Line 2, delete "on" and insert -- invention --, therefor.
Line 3, after "comparable" insert -- overall --.

Column 56

Line 66, in Claim 1, delete "condition" and insert -- condensation --, therefor.

Column 57

Line 30, in Claim 6, delete "(—CONH-R¹-NHCO-OR²O)" and insert -- (—CONH-R¹-NHCO-OR²O—) --, therefor.
Line 36, in Claim 6, delete "R_f" and insert -- R_f --, therefor.
Lines 37-38, in Claim 6, delete "perfluoroheteroalkyl" and insert -- perfluoroheteroalkyl --, therefor.
Line 41, in Claim 6, insert -- a -- before "divalent".
Line 43, in Claim 6, insert -- a -- before "divalent".
Line 54, in Claim 7, delete "an" and insert -- and --, therefor.
Line 56, in Claim 7, delete "-CONH₁" and insert -- -CONR₁' --, therefor.
Line 62, in Claim 7, delete "(CH₂)_k" and insert -- (CH₂)_k --, therefor.
Line 64, in Claim 7, delete ")CH₂)_k" and insert -- (CH₂)_k --, therefor.
Line 66, in Claim 7, delete "," before "(CH₂)_kSO₂(CH₂)_kC".
Line 67, in Claim 7, delete "C(O)-" and insert -- C(O)O- --, therefor.

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PATENT NO. 6803109

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CERTIFICATE OF CORRECTION

Page 5 of 5

PATENT NO.: 6803109
DATED: October 12, 2004
FIRST NAMED INVENTOR: QIU, ZAI-MING

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 58

Line 9, in Claim 8, delete "R₁Q" and insert - - R_fQ - -, therefor.
Line 9, in Claim 8, delete "QR_r" and insert - - QR_f - -, therefor.
Line 15, in Claim 8, delete "R_r" and insert - - R_f - -, therefor.
Line 28, in Claim 8, delete "and" before "at least".
Line 55, in Claim 14, delete "R_r" and insert - - R_f - -, therefor.
Line 58, in Claim 14, delete "R_r" and insert - - R_f - -, therefor.

Column 59

Line 1, in Claim 15, delete "select" and insert - - selected - -, therefor.
Line 25, in Claim 22, after "one" insert - - or - -.

Column 60

Line 5, in Claim 25, after "fluorochemical" insert - - urethane- -.
Line 31, in Claim 29, after "polymer" delete ",", and insert - - ; - -.

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PATENT NO. 6803109

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 1

First Named Inventor	Qiu, Zai-Ming
Art Unit	1774
Examiner Name	Unknown
Attorney Case Number	55907US003

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
W	A1	US- 5,543,200	08/06/1996	Hargis et al.	
W	A2	US- 6,001,923	12/14/1999	Moncur et al.	
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

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Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
W	B1	FR	2 749 309	12/05/1997			
W	B2	GB	999,795	07/28/1965			
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	
	C2	
	C3	

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement — PTO-1449 (Modified)

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